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COLLEGE OF DENTISTRY



University of Illinois at the Medical Center, Chicago

1965-1967

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1965-1967

University of Illinois at the Medical Center

808 SOUTH WOOD STREET, CHICAGO, ILLINOIS

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Calendar

1965 — Fall Quarter

Classes begin	September 27
Thanksgiving recess	November 25-28, inclusive
Quarter ends	December 10

1966 — Winter Quarter

Classes begin	January 3
Quarter ends	March 18
Spring recess	March 19-27, inclusive

1966 — Spring Quarter

Classes begin	March 28
Memorial Day (holiday)	May 30
Commencement	June 10
Quarter ends	June 10

*1966 — Summer Quarter**

Classes begin	June 20
Independence Day (holiday)	July 4
Quarter ends	September 2

1966 — Fall Quarter

Classes begin.....	September 26
Thanksgiving recess.....	November 24-27, inclusive
Quarter ends.....	December 9

1967 — Winter Quarter

Classes begin.....	January 3
Quarter ends.....	March 17
Spring recess.....	March 18-26, inclusive

1967 — Spring Quarter

Classes begin.....	March 27
Memorial Day (holiday).....	May 30
Commencement.....	June 9
Quarter ends.....	June 9

*1967 — Summer Quarter**

Classes begin.....	June 19
Independence Day (holiday).....	July 4
Quarter ends.....	September 1

* See page 17, Summer Fees in Dental Technics and Clinics.

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College of Dentistry

FUNCTION AND PHILOSOPHY

In developing a realistic philosophy of dental education, the College of Dentistry recognizes the need to relate the dental school community to the community at large. The maintenance of oral health and the prevention of oral disease are the primary responsibilities of the dentist. In discharging these responsibilities, the dentist contributes directly to the patient's physical and emotional health because of the physical and psychological relationship of oral health to the total patient.

To accomplish these objectives, the College of Dentistry strives to provide a climate of learning wherein the acquisition of knowledge and clinical skills is focused upon the development of the dental student as a professional person. The education of the dental student is, therefore, broadly based and carefully oriented to three areas of learning — the biological sciences, the clinical sciences, and the social sciences.

The acquisition of new knowledge in these areas is, of course, dependent upon continuous research. In its pursuit of excellence, the College of Dentistry has traditionally maintained active research programs. Much of this research is directed toward the investigation of basic biological problems, since dentistry shares with medicine the responsibility for the prevention and treatment of many of the disease entities yet to be conquered. In addition, basic and clinical research studies are directed toward gaining new knowledge in the mechanisms responsible for dental decay and diseases of the gums and bony tissue that support the teeth. These research programs serve the added function of providing training and experience for selected graduate dentists, many of whom are studying for advanced degrees and specialty certification.

Finally, from its position as an international leader in dental education, the College of Dentistry is acutely aware of the many problems of world health. In this context, the College has become a center for advanced training of foreign dental teachers and researchers. Following varied periods of graduate or postgraduate training in special fields of dentistry, these people return to their own countries with new knowledge and broadened experiences in dental education.



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ORIGIN AND LOCATION

The Land Grant College Act of 1862 opened the way for the establishment, in 1867, of the University of Illinois at Urbana-Champaign, a university dedicated to learning and labor. Beginning with three faculty members and a student body of fifty, the University of Illinois has grown in stature and size, and now encompasses three campuses — Urbana, Chicago Circle, and the University of Illinois at the Medical Center.

The latter two campuses, within less than one mile of each other, are located on Chicago's near West Side. Uniquely identified as a campus within the geographic area called the Medical Center District, the University of Illinois at the Medical Center consists of the Colleges of Dentistry, Medicine, Nursing, and Pharmacy, and the Research and Educational Hospitals.

HISTORY

The College of Dentistry became affiliated with the University of Illinois in 1901. It was founded in 1892 as the Columbian Dental College, becoming in 1898 the Illinois School of Dentistry. In 1913 the College of Dentistry became an organic part of the University of Illinois. It is now located in close contact with the Colleges of Medicine, Pharmacy, and Nursing, using the same laboratories, classrooms, library, and to a large degree, the same faculty for the teaching of the courses in the basic sciences.

PLAN OF INSTRUCTION

The curriculum leading to the degree of Doctor of Dental Surgery extends through four academic years. Since dentistry draws upon the same sciences as does medicine, a number of courses in the basic sciences are taught by the staff of the College of Medicine. The dental student, however, also has the responsibility of learning how to execute the multitude of fine surgical and technical operations essential in the treatment of oral disease.

Technic courses are distributed over the first two years and planned so that the dental student develops and increases his technical skill. He is introduced to the treatment clinics at the beginning of his second year. Facilities and equipment in the dental clinics are of the most modern design. Fully equipped operating units are provided in the major clinical departments to simulate the privacy of a dental office.

During the fourth year, a student who has shown special aptitude and



whose previous work has been of a sufficiently high quality may be permitted to pursue advanced work in any department.

Each year more hospitals are establishing dental internships. Students are urged to take advantage of these opportunities to gain experience before entering private practice. Every effort is made to assist fourth-year students in securing such positions for the year following graduation.

Two internships and two residencies are offered at the University of Illinois Research and Educational Hospitals as part of a three-year graduate training program in oral surgery. The College also nominates a candidate for an oral surgery residency in the Cook County Hospital each year.

CLINICS AND HOSPITALS

The dental treatment areas are on the upper floors of the east section of the Dentistry-Medicine-Pharmacy Building. Here each student, under careful faculty supervision, renders the required dental treatment to selected patients. Approximately 10,000 patients are treated in the dental clinics annually.

The Research and Educational Hospitals connect directly with the classrooms and laboratories of the Colleges of Dentistry and Medicine and are utilized by them for teaching and research.

The Division of Services for Crippled Children is administered by the University of Illinois. The Division is related to the Center for Handicapped Children, which includes the Cleft Palate Clinic and Training Program in the Research and Educational Hospitals. The Centers serve as multidisciplinary diagnostic, treatment-planning, and research facilities.

The Children's Bureau and the National Institutes of Health provide support for the training program and research activities of the Centers. Members of the staff hold appointments on the faculties of the Colleges of Dentistry and Medicine. Graduate and undergraduate students in the College of Dentistry may participate in the various aspects of this program.

LIBRARY

The library's collection is a comprehensive one of standard and modern works on dental, medical, nursing, pharmaceutical, social work, and allied scientific subjects, with some 2,500 current periodicals and more than 165,000 volumes on its shelves. Its facilities are available for reference use, and most materials may be withdrawn for use outside the reading rooms.

REQUIREMENTS FOR ADMISSION

Pre dental Courses

Each applicant for admission to the College of Dentistry must present satisfactory evidence of four years of study in an accredited high school or the equivalent, and at least two years of study in an approved college of liberal arts and sciences. The college program must contain not less than sixty semester hours, including prescribed subjects as follows:

	<i>Semester</i>	<i>Hours</i>
Chemistry (including four hours of organic and three hours of quantitative chemistry)		12
Physics		6
Biology		6
English		6
Electives (excluding military training, hygiene, and physical education)		30
<i>Total</i>		<u>60</u>

As the function of the pre dental years is to supply a liberal cultural background for the student, as well as specific training in the fundamental concepts of the sciences, electives should include economics, history, philosophy, sociology, and at least one modern language.

The Committee on Admissions may waive full compliance with the course specifications if the applicant possesses unusually high qualifications.

Pre dental Grades

Only those applicants who have pre dental grade averages of 3.0 or better are considered by the Committee on Admissions. Those who have averages of 3.5 or better are given preference by the Committee.

As the capacity of the College of Dentistry is limited, selection of applicants is necessary. No student is considered who is on scholastic probation or who has been dropped for poor scholarship from the last institution attended prior to seeking admission to the University of Illinois. Applicants who meet the course and grade-average requirements are considered by the Committee on Admissions.

The Committee on Admissions for the College of Dentistry is guided in its selection of students by a systematic appraisal of student performance known as the stanine. Such performance is equated on a curve 3.0 (C) to 5.0 (A) identifying nine standard groupings (or stanine). The stanine analysis is applied to four major performance areas: pre dental science

course average; predental nonscience course average; American Dental Association Manual Aptitude Test Score; and American Dental Association Academic Aptitude Test Score. Because of the heavy science and manual skill aptitude requirements in the dental curriculum, greatest weight is placed on these two areas in computing the prospective student's total stanine score. The maximum possible score for the four areas cited is 99 per cent. Experience has shown that a student presenting a score of less than 50 per cent has little chance of completing successfully the dental program. Other criteria for selection of students include letters of recommendation, especially from the science course teachers, and presentation of an acceptable health record. Invitations to register are sent to approved applicants.

Nonresidents

Well qualified dental applicants who are not residents of Illinois are encouraged to apply. Up to 10 per cent of any class may be nonresidents.

If a student's parents live outside the state of Illinois, he may apply for classification as a resident if he is over twenty-one years of age, entirely self-supporting, has resided within the state for the twelve months prior to his application, and has registered to vote in Illinois.

Dental Aptitude Test

All applicants meeting other requirements for admission take the Dental Aptitude Test which is initiated and sponsored by the Council on Dental Education of the American Dental Association and the American Association of Dental Schools. The results of this test are considered in conjunction with other qualifications. The test may be taken at any one of forty-six dental colleges and forty-five other testing centers during October, January, and April. Full information may be secured from the Office of Admissions and Records of the University of Illinois at the Medical Center.

Health Certificate

Each applicant who meets the requirements for admission or who appears likely to meet them before the opening of the school year should request the health officer at the last institution he attended to furnish a certificate concerning his health, both physical and mental. When the health service of an institution can not supply the desired information, the applicant should have his family physician report on his physical

condition. There is also a form for the family dentist to sign certifying to the dental health fitness of the applicant.

If a student's application for admission is approved at a date so late that he can not obtain a health certificate before classes begin, he may be registered temporarily, pending a satisfactory report from the University Health Service.

Physical Examination

Each applicant who is tentatively accepted must have a physical examination by the University Health Service at the Chicago Medical Center Campus. The student himself is responsible for making an appointment for this examination, which should be arranged for as early as possible and must be completed prior to the time of registration. The student should, if possible, bring a record of immunizations when he appears for his examination. It is strongly urged that each applicant, after acceptance, take care of any needed medical or dental treatments, or the fitting of glasses if necessary. After the course of study has begun the student will find it difficult to give proper attention to these needs without loss of time from classes.

Deposit

Each applicant accepted by the College of Dentistry is required to make a deposit of \$60.00, which is applied against fees assessed at the time of registration. If the deposit is not made within two weeks of the date of notification, the acceptance is canceled.

If the prospective student requests cancellation of his application for admission by September 1 of the year in which he plans to enter, \$20.00 is refunded. After that time the entire deposit is forfeited. Should the University cancel the acceptance, the deposit is returned.

An applicant who has been accepted for admission but fails to enroll may reapply for admission in a succeeding year subject to the requirements in force at the time of the new application.

APPLICATION FOR ADMISSION

Application for admission to the University of Illinois College of Dentistry should be addressed to:

Office of Admissions and Records
University of Illinois at the Medical Center
P.O. Box 6998
Chicago, Illinois 60680

Official transcripts of all college and secondary school records should be sent directly to the Office of Admissions and Records from each institution attended. These credentials become the property of the University and are not returnable.

New classes enroll late in September.

FEES AND EXPENSES

All fees are payable when the student registers. In case of necessity, students may arrange with the Business Office for a partial deferment of fees. There is a small charge for this service.

The Board of Trustees of the University reserves the right to change fees when circumstances warrant such action.

A schedule of fees for regular full-time students in the College of Dentistry is listed below:

	RESIDENT		NONRESIDENT	
	Per Quarter	Per Year	Per Quarter	Per Year
Tuition.....	\$ 57.00	\$171.00	\$250.00	\$750.00
Service Fee.....	77.00	231.00	109.00	327.00
Hospital-Medical-Surgical				
Insurance.....	6.00	18.00	6.00	18.00
Total.....	\$140.00	\$420.00	\$365.00	\$1095.00

Summer Fees in Dental Technics and Clinics

	Resident	Nonresident
Tuition.....	\$25.00	\$ 90.00
Service Fee.....	29.00	29.00
Hospital-Medical-Surgical Insurance.....	6.00	6.00
Total.....	\$60.00	\$125.00

Students with deficiencies, who are required to register for the summer quarter, pay the above-listed fees. Students without deficiencies, who treat patients in the clinics on a voluntary basis during the summer, do not pay fees.

Late Registration Fine

Students who register after the regular registration days pay a late registration fine of \$15.00.

Refunds

If a student withdraws within ten days after the beginning of instruc-

tion, refund is made of the full amount of tuition and fees assessed except for a non-refundable charge of \$20.00. After the first ten days but within the first half of the quarter, one-half of the total amount of the tuition and fees assessed which remains after deduction of the above-mentioned amount is refunded.

Cost of Books, Instruments, and Materials

An estimate of the annual expenses for books, instruments, and materials is as follows:

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>
Books.....	\$ 200.00	\$135.00	\$160.00	\$100.00
Instruments and				
Materials.....	1,240.00	505.00	15.00	.....
Total.....	\$1,440.00	\$640.00	\$175.00	\$100.00

The instruments purchased during the four years constitute a part of the equipment essential in private practice.

In addition to the expenses listed, each student must have a microscope at the beginning of the first year in the College of Dentistry. The rental fee of a microscope is \$5.00 per quarter.

Equipment and supplies are available at the Illini Bookstore at the Medical Center Campus which is operated by the University on a non-profit basis.

LOAN FUNDS

Students are eligible to apply for assistance from University general loan funds which have been established for the benefit of worthy students who are in need of financial aid to complete their courses.

Student loans are classified as emergency or long term.

Emergency loans are for periods not exceeding two months and are limited to \$100.00. A service charge of fifty cents is made on all emergency loans.

Long-term loans are limited to \$1,000.00 for any one year and to a maximum of \$2,500.00 while a student is attending the University of Illinois College of Dentistry. Long-term loans bear interest at the rate of three per cent from the date of graduation (or of leaving school) until maturity.

Also available to needy students in good standing are loans in varying amounts provided from federal funds under the Health Professions Loan Program.

All applications for student loans are made at the Office of Student Affairs.

SCHOLARSHIPS

General Assembly Scholarships

Each member of the General Assembly may make one nomination annually. Holders of these scholarships are exempt from the tuition fee but not from other fees.

The General Assembly also has established one scholarship in each county for descendants of veterans of World War I, World War II, or the Korean War.

Military Scholarships

Acts of the General Assembly provide scholarships for veterans of World War I, World War II, and the Korean War, who are not receiving financial assistance for educational purposes from the federal govern-

Research



ment and who, at the time of enlistment, were residents of Illinois or students at the University of Illinois. Holders of these scholarships are exempt from the tuition fees of the University.

Women's Auxiliary Scholarships

The Women's Auxiliary of the University of Illinois at the Medical Center at the present time offers a scholarship of \$250.00 annually to students in the College of Dentistry. The recipient is selected on the basis of scholarship, need, and adaptability.

FELLOWSHIPS

Summer research fellowships amounting to \$600.00 each are available to selected students for the purpose of allowing undergraduate dental students to develop their interest and ability in research.

HOUSING

The University Student Residence Hall is located at 818 South Wolcott Street, across from the Dentistry-Medicine-Pharmacy Building. The Residence Hall provides single and double rooms plus board for 412 students, and has five floors of rooms reserved for men and two floors for women. Further information and application forms may be obtained by writing to:

Housing Office
University of Illinois at the Medical Center
P.O. Box 6998
Chicago, Illinois 60680

There are also limited accommodations for men in the fraternity houses located four blocks from the dental college.

The ten-story University Staff Apartment Building is three blocks from the Dentistry-Medicine-Pharmacy Building. Students' wives who are employed by the University are eligible to make application for a staff apartment through the Housing Division. Employment opportunities at the University may be investigated by writing to the Personnel Office, P.O. Box 6998, Chicago, Illinois 60680.

Several suburbs are within reasonable commuting distance from the Medical Center. The Sunday editions of Chicago newspapers have excellent listings of furnished and unfurnished apartments in the city and suburbs. Suburban weekly publications are helpful to those seeking an apartment in a particular community. In selecting a neighborhood out of the Center, transportation facilities should be thoroughly investigated.

RECREATIONAL FACILITIES

The social and recreational center for students, alumni, and faculty members is the Chicago Illini Union on campus. Its facilities include a cafeteria, grill, soda fountain, snack bar, music room, gymnasium, meeting rooms, and a game room. A new Illini Union with expanded facilities and services is scheduled for completion in September, 1966. Intramural sports under a trained director are encouraged, and facilities and equipment are available for softball, tennis, archery, wrestling, fencing, badminton, basketball, volleyball, shuffleboard, weightlifting, pool, and ping-pong. The Duncan Y.M.C.A., conveniently located near the Medical Center, is available to men students for swimming and handball by presentation of their current identification cards for admission.

STUDENT AFFAIRS

The Office of the Dean of Student Affairs exercises general guidance and control over all extracurricular activities of the professional campus.

Through this office students may obtain general information, receive personal counseling, obtain information regarding military programs and obligations, initiate loans, and secure assistance in finding part-time employment.

The Dean of Student Affairs is also the Foreign Personnel Adviser for the University of Illinois at the Medical Center.

The well-being of women students is the major concern of the Dean of Women. She is available to give advice and assistance on nonacademic matters.

REQUIREMENTS FOR GRADUATION

A candidate for a degree from the University of Illinois College of Dentistry must meet the following general requirements: (1) show evidence of good character; (2) obtain passing grades in all courses of the required curriculum and maintain a minimum average of 3.0; (3) display a high level of professionalism; (4) pay all due financial obligations to the University. In addition to these general requirements for graduation, the special requirements for each degree are listed below.

Bachelor of Science in Dentistry

At the close of the second year a student who has completed all required courses with a grade-point average of "C" or better, and who is qualified on the basis of his pre dental work, may apply for the degree of



Television Studio

Bachelor of Science in Dentistry. The predental work of the student must be distributed as follows:

	Semester Hours
Chemistry (including four hours of organic and three hours of quantitative analysis)	12
Physics	6
Biology (including general zoology)	8
English	6
German, French, Spanish, Italian, or Russian	6
Electives (excluding chemistry, physics, and biology)	6
Free Electives	16
<i>Total</i>	<i>60</i>

Doctor of Dental Surgery

The degree of Doctor of Dental Surgery is awarded upon completion of the four-year curriculum in dentistry.

HONORS AND AWARDS

The Faculty Senate of the University of Illinois at the Medical Center

may recommend a student of the College of Dentistry for graduation with high honors if his average grade in all studies presented for the degree is not less than 4.75, or graduation with honors if his average grade in all studies presented for the degree is not less than 4.35.

Omicron Kappa Upsilon Membership

From the students whose scholastic records place them in the upper twenty per cent of each year's graduating class, twelve per cent, who demonstrate high professional standards, are awarded membership in Omicron Kappa Upsilon, national honorary dental fraternity. Certificates of merit are awarded the students who have the highest scholastic averages in the first, second, and third year classes.

Captain Simon Kessler Memorial Award

A plaque presented by the Illinois Dental Club of New York City goes to the graduating student who has shown the greatest progress through his four years of study.

Frederick B. Noyes Seminar Prizes

Monetary prizes, instituted in honor of Dr. Frederick B. Noyes, former Dean of the College of Dentistry, and supported by Sigma Chapter of Omicron Kappa Upsilon, are awarded to the authors of the best senior papers in each of the following categories: (1) library research, (2) laboratory research, (3) clinical research.

Edward C. Wach Awards

Monetary awards, provided from a fund established by Dr. Edward C. Wach, Associate Professor of Applied Materia Medica and Therapeutics, *Emeritus*, are presented to successful graduates in a thesis contest on the subject of social aspects of dentistry.

OTHER AWARDS

A number of additional awards to graduating students are made by interested alumni, professional, and other groups. A complete list of awards is published annually in the program for the Honors Day Convocation of the College of Dentistry preceding Commencement.

Where it is necessary to translate percentages into literal grades, the following values are used: A, 92 to 100 per cent; B, 85 to 91 per cent; C, 75 to 84 per cent; D, 70 to 74 per cent; E, below 70 per cent, failure.

CURRICULUM IN DENTISTRY

	First Quarter	Second Quarter	Third Quarter	Total
FIRST YEAR				
Anatomy, Gross.....	80	80	80	240
Anatomy, Oral.....	80	40	..	120
Biological Chemistry.....	60	60	..	120
Dental Materials.....	..	96	..	96
Histology.....	60	60	60	180
Pedodontics.....	..	33	..	33
Professional Practice.....	10	10	10	30
Radiology (Oral Health Program).....	18	..	..	18
Technics, Operative.....	..	..	70	70
Technics, Prosthodontics (Full).....	..	..	90	90
Elective.....	..	..	*	*
				997
SECOND YEAR				
Anesthesiology.....	..	..	10	10
Microbiology.....	..	100	..	100
Pathology, General.....	90	90	..	180
Pathology, Oral.....	..	..	80	80
Pedodontics	30	..	..	30
Periodontics .....	..	40	50	90
Physiology.....	..	80	..	80
Radiology.....	20	..	..	20
Technics, Endodontics.....	..	..	70	70
Technics, Fixed Partial Prosthodontics.....	..	80	140	220
Technics, Operative.....	70	70	..	140
Technics, Prosthodontics (Partial).....	110	*	*	120
Elective.....		*	*	*
				1140
THIRD YEAR				
Clinics, Endodontics.....	28	36	25	89
Clinics, Fixed Partial Prosthodontics.....	78	72	50	200
Clinics, Operative Dentistry.....	78	72	50	200
Clinics, Periodontics.....	38	36	25	99
Clinics, Prosthodontics.....	78	72	50	200
Diagnosis, Oral, and Treatment Planning.....	43	43	43	129
Endodontontology, Advanced.....	10	..	..	10
Medicine, Oral.....	..	..	10	10
Medicine, Preventive.....	..	..	10	10
Orthodontics.....	10	10	10	30
Pedodontics .....	..	..	80	80
Pharmacology.....	20	20	20	60
Professional Practice.....	10	10	..	20
Radiology.....	10	7	7	24
Surgery, Oral.....	..	20	20	40
Elective.....	*	*	*	*
				1201
FOURTH YEAR				
Anesthesiology.....	..	10	..	10
Clinics, Endodontics.....	33	28	41	102
Clinics, Fixed Partial Prosthodontics.....	66	56	81	203
Clinics, Operative Dentistry.....	66	56	81	203
Clinics, Periodontics.....	33	28	41	102
Clinics, Prosthodontics.....	66	56	81	203
Diagnosis, Oral, and Treatment Planning.....	15	17	11	43
Medicine, Oral.....	20	20	..	40
Orthodontics.....	10	10	7	27
Pedodontics	40	33	..	73
Pharmacology.....	..	10	..	10
Professional Practice.....	10	20	..	30
Radiology.....	6	17	..	23
Surgery, Oral.....	36	39	28	103
Elective.....	*	*	*	*
				1172

* Maximum allowable credit 100 hours per quarter.

COURSES OF INSTRUCTION

ANATOMY

505. Anatomy, Gross — First Year. Lecture and laboratory course which

includes dissection of the human body, and gross and microscopic anatomy of the central nervous system.

535. Anatomy, Oral—First Year. An introductory course in functional anatomy of the face and feeding apparatus. The structural composite is studied as an adaptive product of organic evolution.

BIOLOGICAL CHEMISTRY

505. Biological Chemistry—First Year. Introductory course in the chemistry and metabolism of the major body constituents.

DENTAL MATERIALS

545. Dental Materials—First Year. Introduction to physical and chemical properties of dental materials and development of basic technical skills.

DIAGNOSIS, ORAL

704. Diagnosis, Oral, and Treatment Planning—Third Year. Evaluation of the “whole” patient through detailed dental and medical histories. Clinical findings, laboratory tests, radiographs, and study models are utilized by the students in formulating a diagnosis, prognosis, and treatment plan for the individual patient. Lecture, clinical practice, and case presentation.

804. Diagnosis, Oral, and Treatment Planning—Fourth Year. A continuation of the clinical approach to patient evaluation as described in course 704.

ENDODONTICS

615. Endodontics Technics—Second Year. Biologic and mechanical principles in endodontics with special emphasis on root canal therapy. The technical aspects of root canal therapy are performed in the technic laboratory on extracted teeth under simulated mouth conditions. Students are oriented toward clinical endodontics through lectures and demonstrations.

711. Endodontontology, Advanced—Third Year. Lectures on the etiology, diagnosis, pathology, and treatment of diseases of the dental pulp and periapical tissues. Principles, methods, procedures, and results of endodontic treatment. The management of special endodontic problems in clinical practice.

713. Endodontics Clinics—Third Year. Clinical experience is gained in endodontic treatment.

813. Endodontics Clinics—Fourth Year. Further clinical experience is obtained in endodontic treatment.

FIXED PARTIAL PROSTHODONTICS

625. Fixed Partial Prosthodontic Technics—Second Year. Fundamental

technics in the construction of fixed partial denture prostheses. Restoration on models and manikins of lost tooth structure with crowns and the replacement of missing teeth with fixed partial dentures.

724. Fixed Partial Prosthodontic Clinic — Third Year. Clinical practice in restoration of partially destroyed teeth with crowns and the replacement of missing teeth with fixed partial dentures.

824. Fixed Partial Prosthodontic Clinic — Fourth Year. Additional clinical practice in treating more complex cases of partially edentulous patients employing more advanced technics.

HISTOLOGY

535. Histology — First Year. A general course in histology designed for the dental student's understanding of the microscopic structure, function, and maintenance of the tissue with which he will be working. The course includes microscopic and submicroscopic structure and interrelationship of cells and intercellular substances. The basic tissues and the maintenance of them in the various organs and systems of the body are studied with special emphasis on the teeth and oral tissues in the latter half of the course.

MEDICINE

701. Medicine, Oral — Third Year. Lectures by medical and dental consultants on the special dental patient, including reference to the geriatric, emotionally disturbed, chronically ill, and handicapped.

801. Medicine, Oral — Fourth Year. Lectures on the signs and symptoms of systemic disease and on the practice of dentistry in the hospital. Includes an elective course in "hospital ward rounds."

701. Medicine, Preventive — Third Year. Principles of prevention of disease by individual professional practitioners and through community measures. Definition of disease and classification by causation. Role of epidemiology in the collection and interpretation of essential information and to evaluate results of preventive measures. Discussion of the role of the dentist in nondental diseases of concern to the community.

MICROBIOLOGY

605. Microbiology — Second Year. The nature, classification, and relationship of living disease agents; control of microbial populations, principles of disinfection and sterilization, action of sulfonamides and antibiotics; natural and acquired mechanisms of immunity and hypersensitivity; consideration of infectious diseases of bacterial, mycotic, protozoan, and viral etiology; special emphasis on epidemiology and systemic diseases with oral manifestations; factors affecting the oral microbiota in health and disease.

OPERATIVE DENTISTRY

545. Operative Technics — First Year. The technical procedures in placement of operative restorations on models and manikins.

645. Operative Technics — Second Year. Continuation of the technical procedures described in 545 above, preliminary to actual clinical work.

744. Operative Dentistry Clinic — Third Year. Actual clinical practice with patients. Chairside teaching, correlating technical procedures with the basic science background.

844. Operative Dentistry Clinic — Fourth Year. Continuation of the same clinical work as in the third year with added instruction in such things as indirect inlay technics and training with high speed equipment.

ORTHODONTICS

761. Orthodontics — Third Year. Methodology of growth studies; growth and development of the head and neck; orthopedic principles; etiology of malocclusion; preventive and interceptive principles; diagnosis and case analysis.

861. Orthodontics — Fourth Year. Presentation of cases showing records taken, analysis, prognosis, treatment, and results.

PATHOLOGY

605. Pathology, General — Second Year. The basic principles of pathologic processes, including retrograde processes, circulatory disturbances, inflammation and repair, tissue responses to specific infections, physical and chemical agents, and neoplasms are considered in the first part of the course. In the latter part of the course the disease processes affecting specific organs and anatomic systems are considered in greater detail. The course consists of lectures, gross specimen and kodachrome demonstrations, small group discussions, correlation conferences for integrated teaching of general and oral pathology, museum exhibits, and laboratory.

635. Pathology, Oral — Second Year. Lectures, discussion, and laboratory. This course emphasizes the basic recognition and understanding of disease processes manifested in or about the oral cavity. The major laboratory assignment consists of the study of histologic sections prepared from human biopsy and autopsy material. Clinical signs and symptoms are correlated with the histopathologic appearance of oral lesions through patient demonstrations.

PEDODONTICS

571. Pedodontics — First Year. Introduction to dentistry for children. General body growth and development, jaw growth and maturation, and development of occlusion. Clinic demonstrations of dental health problems of the child patient.

674. Pedodontics — Second Year. Applied technics. Prophylaxis, hygiene, caries control methods, x-ray interpretation, diagnosis, and cavity preparation for primary teeth.

776. Pedodontics — Third Year. Laboratory instruction and experience with common pedodontic appliances. Clinical restorative and therapeutic care of children's teeth.

874. Pedodontics — Fourth Year. Clinical experience in all phases of dentistry for children. Management of the child patient, space maintenance, pulp therapy, caries control methods, diagnosis, and treatment planning.

PERIODONTICS

616. Periodontics — Second Year. Lectures and laboratory exercises in the classification, etiology, diagnosis, pathology, and methods of treatment of diseases of the tissues which surround, support, and attach the teeth. Clinical exercises and practice in oral hygiene and prophylaxis.

714. Periodontics Clinics — Third Year. Lectures covering the systemic interrelationships of periodontal disease. All methods of treating periodontal disease are carried out on clinic patients.

814. Periodontics Clinics — Fourth Year. Seminars covering diagnosis, treatment planning, and current periodontal literature. Further clinical experience is gained in the treatment of periodontal disease.

PHARMACOLOGY

711. Pharmacology — Third Year. The principles of pharmacology are presented with special emphasis on drugs used for preoperative medication and the management of pain. Pharmacodynamics, nomenclature, classification, and therapeutics, including prescription writing.

811. Pharmacology — Fourth Year. A review of pharmacodynamics, nomenclature, classification, and therapeutics, including prescription writing.

PHYSIOLOGY

605. Physiology — Second Year. A systematic survey of mammalian physiology with special reference to man. Major concepts underlying the homeostatic function of the various body systems are emphasized. The laboratory includes classical experiments of special interest to dental students as well as experience in the use of scientific method in deriving physiological knowledge.

PROFESSIONAL PRACTICE

501. Professional Practice — First Year. A three-quarter course consisting of Introduction to Preventive Dentistry, History of Dentistry (library research), and Contemporary History of Dentistry.

701. Professional Practice — Third Year. A two-quarter course covering the areas of Preventive Dentistry and Dental Public Health. This sequence emphasizes the dentist's role in preventing dental disease and the relationship of the private practitioner to the broad parameter of public health.

801. Professional Practice — Fourth Year. Jurisprudence and practice administration are the basic components of this lecture course.

PROSTHODONTICS

585. Prosthodontic Technic — First Year. Theory and method of restoring the masticatory function of the completely edentulous patient with a consideration of the biologic aspect of denture prosthesis.

685. Prosthodontic Technic — Second Year. Theory and method of restoring the masticatory function of the partially edentulous patient with a consideration of the biologic aspect of denture prosthesis.

784. Prosthodontic Clinic — Third Year. Clinical practice of restoring completely and partially edentulous patients with complete dentures and removable partial dentures.

884. Prosthodontic Clinic — Fourth Year. Continuation of clinical practice with consideration of unusual mouth conditions, including immediate denture service, obturators, etc., stressing the development of the individual judgment and responsibility of the student.

RADIOLOGY

594. Radiology (Oral Health Program) — First Year. Methodology and philosophy of oral diagnosis; use of diagnostic aids; introduction to health physics; correlation of basic and clinical sciences in oral diagnosis. Students participate as patients in clinical and radiographic procedures of the course.

694. Radiology — Second Year. Introduction to diagnostic radiology; physical principles of radiation and its control; interpretation of normal radiographic anatomy of the head. Standard extraoral and intraoral projections and dark-room procedures are demonstrated. Students execute all clinical procedures under close staff supervision.

794. Radiology — Third Year. Radiographic interpretation and evaluation of pathologic changes in the face and jaws; differential diagnosis of disease entities. Students are required to perform all radiographic examinations with minimum supervision.

894. Radiology — Fourth Year. Applied principles of radiology; utilization and interpretation of plain and special extraoral radiographs in oral diagnosis; evaluation of dental x-ray equipment and methods of radiation control. For his clinical requirements, the student must make two complete intraoral exam-

inations and two extraoral projections, and must write a complete radiographic analysis of the two cases.

SURGERY, ORAL

655. Anesthesiology — Second Year. This course includes instruction in the pharmacology of anesthetic agents and is the anatomical basis for injection techniques.

751. Surgery, Oral — Third Year. Lectures on history taking, oral examination, diagnosis, aseptic technique, instrumentation, operative techniques, and postoperative care; orientation of student in clinical procedures of exodontia and minor oral surgery. Course also includes a lecture sequence in oncology.

851. Anesthesiology — Fourth Year. Laboratory procedures are utilized to demonstrate the physiological changes that occur under general anesthesia. In addition, the course includes discussions of the chemical, pharmacological, and physiological responses to the metabolic interrelationship between these anesthetic agents and premedicating drugs.

854. Surgery, Oral — Fourth Year. Continuation of Oral Surgery 751. Lectures on the fundamental principles of surgery. Diagnosis and treatment of acquired and congenital deformities, traumatic inflammatory and neoplastic lesions of the oral cavity, and adjacent structures. Special emphasis on the neoplastic lesions include various phases of diagnosis, treatment, and public health aspects of the cancer problem, also surgical and radiological management, and rehabilitation of the cancer patient. The psychological problems encountered are considered. The role of the dentist in cancer detection and in adjunctive care of the cancer patient is stressed. Clinical operation continues, with students assigned to more advanced work. Demonstrations of more difficult cases (students assigned in groups to visit Research and Educational Hospitals and Cook County Hospital for observation of treatment of complicated cases).

ELECTIVE

507. Elective — First Year. Upon successful completion of two quarters of work in the first year, students may obtain permission to undertake additional academic work for credit in the form either of organized courses or special projects in any of the colleges of the University of Illinois. The student must arrange for a faculty member to act as his adviser in the event that he undertakes a special project.

607. Elective — Second Year. Students who are in good standing are eligible to undertake additional academic work for credit.

707. Elective — Third Year. Conditions same as for course 607.

807. Elective — Fourth Year. Conditions same as for course 707.

GRADUATE STUDY

Curricula leading to advanced degrees are offered in the departments of Histology, Oral Pathology, Oral Surgery, Orthodontics, and Pedodontics. Complete information on these programs is given in the Graduate College catalog. Copies may be obtained from the:

Associate Dean of the Graduate College
University of Illinois at the Medical Center
P.O. Box 6998
Chicago, Illinois 60680

Clinic



POSTGRADUATE EDUCATION

Full Time Study

The University of Illinois College of Dentistry offers advanced post-graduate courses in a number of phases of clinical dentistry. Courses in orthodontics, oral surgery, pedodontics, periodontics, and endodontics require a minimum of two didactic years of full-time study. Courses in prosthodontics, operative dentistry, and fixed partial prosthodontics require one didactic year (nine months) of full-time attendance. All courses emphasize the biologic as well as clinical aspects of dental practice.

Application for full-time study should be made directly to the department involved.

Continuation Courses

Continuation courses which meet regularly on a weekly or monthly basis are available for dental practitioners who wish to pursue a formal course of postgraduate education in the basic sciences and clinical sciences on a part-time basis. Specific courses can also be set up on a continuation basis upon the request of an interested group of dental practitioners or a study club.

Application and further information may be obtained by writing to:

College of Dentistry
Division of Postgraduate Education
University of Illinois at the Medical Center
P.O. Box 6998
Chicago, Illinois 60680

Faculty of the College of Dentistry

Professors

- ANDERSON, A. G., D.D.S., Professor of Oral and Maxillofacial Surgery and Head of the Department, and Clinical Professor of Surgery
- BARBER, T. K., D.D.S., M.S., Professor of Pedodontics and Associate Head of the Department, and Clinical Professor of Surgery
- BAZOLA, F. N., D.D.S., Professor of Fixed Partial Prosthodontics and Head of the Department
- BRODIE, A. G., D.D.S., Ph.D., Professor of Orthodontics and Head of the Department
- DUBRUL, E. L., D.D.S., Ph.D., Professor of Oral Anatomy
- ENGEL, M. B., D.D.S., M.S., Professor of Orthodontics
- GILLETTE, Roy, Ph.D., Professor of Histology
- GRAND, N. G., D.D.S., M.S., Professor of Oral Pathology
- JAMES, VERDA E., D.D.S., Professor of Histology and Associate Head of the Department, and Director of Paradental Education
- KESEL, R. G., D.D.S., M.S., Professor of Applied Materia Medica and Therapeutics and Head of the Department
- KUBACKI, W. H., D.D.S., Professor of Prosthodontics, *Emeritus*
- KURTZ, T. B., D.D.S., Professor of Operative Dentistry and Associate Head of the Department (on leave of absence)
- LASKIN, D. M., D.D.S., M.S., Professor of Oral and Maxillofacial Surgery and Associate Head of the Department, and Clinical Professor of Surgery
- MASSLER, MAURY, D.D.S., M.S., Professor of Pedodontics and Head of the Department, and Director of the Division of Postgraduate and Teacher Education
- MAURICE, C. G., D.D.S., M.S., Professor of Endodontics and Associate Head of the Division

MEDAK, HERMAN, D.D.S., Ph.D., Professor of Oral Pathology and Acting Head of the Department
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SKUPA, A. J., D.D.S., Professor of Clinical Dentistry and Director of Clinics
SPENCE, J. M., D.D.S., M.S., Professor of Operative Dentistry and Head of the Department, and Director of Audiovisual Education
TIEKE, RICHARD, D.D.S., M.S., Lecturer with rank of Professor of Oral Pathology
TYLMAN, S. D., A.B., M.S., D.D.S., Professor of Fixed Partial Prosthodontics, *Emeritus*
UNDERWOOD, R. B., D.D.S., Professor of Prosthodontics and Head of the Department, and Assistant Director of Clinics
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ELFENBAUM, ARTHUR, B.A., D.D.S., Associate Professor of Clinical Dentistry, *Emeritus*
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- SHEPARD, H. R., D.D.S., Associate Professor of Endodontics
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OMACHI, AKIRA, Ph.D., Associate Professor
PEDESCHI, HENRY, Ph.D., Associate Professor

Department of Preventive Medicine

LEPPER, M. H., M.D., Professor and Head of the Department
ORVIS, HAROLD, M.D., Associate Professor

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